

## **Papahānaumokuākea Marine National Monument Permit Application Cover Sheet**

This Permit Application Cover Sheet is intended to provide summary information and status to the public on permit applications for activities proposed to be conducted in the Papahānaumokuākea Marine National Monument. While a permit application has been received, it has not been fully reviewed nor approved by the Monument Management Board to date. The Monument permit process also ensures that all environmental reviews are conducted prior to the issuance of a Monument permit.

### **Summary Information**

**Applicant Name:** Charles L. Littnan

**Affiliation:** NOAA National Marine Fisheries Service

**Permit Category:** Research

**Proposed Activity Dates:** June 1, 2008 - May 31, 2009

**Proposed Method of Entry (Vessel/Plane):** NOAA RV Oscar Elton Sette, Contract Plane

**Proposed Locations:** Nihoa, Necker (Mokumanamana), French Frigate Shoals, Laysan Island, Lisianski Island, Pearl and Hermes Atoll, Midway Atoll, Kure Atoll

**Estimated number of individuals (including Applicant) to be covered under this permit:**

14 (though not all would be in the Monument simultaneously)

**Estimated number of days in the Monument:** 60-90 (though much of this is ship transit)

**Description of proposed activities:** (complete these sentences):

a.) The proposed activity would...  
consist of efforts to help increase juvenile monk seal survival in the Northwestern Hawaiian Islands.

b.) To accomplish this activity we would ....  
undertake enhancement actions including: 1) feeding and treating prematurely weaned and other undernourished seals in a captive facility, 2) relocating weaned/juvenile seals to areas of potentially greater survival, and 3) treating weaned/juveniles to decrease parasite loads.

c.) This activity would help the Monument by ...  
determining effective methods to aid in the recovery of endangered Hawaiian monk seal.

**Other information or background:**